

DIRECTIVE NO.540-WI-8072.1.3AAPPROVED BY Signature:Original signed byEFFECTIVE DATE:07/29/2004NAME:Stanley Y. ChanEXPIRATION DATE:07/29/2009TITLE:RECERT Manager

Responsible Office: 540/RECERT

Title: Certification of New or Modified Ground-Based Pressure Vessels and Pressurized Systems

(PV/S)

PREFACE

P.1 PURPOSE

This Work Instruction describes the step-by-step process to be used by the Recertification Program (RECERT) Support Function personnel for the initial Certification of Ground-Based Pressure Vessels and Pressurized Systems (PV/S).

P.2 APPLICABILITY

This Work Instruction is applicable to PV/S Certification activities at Greenbelt, MD and at the Wallops Flight Facility, VA

P.3 REFERENCES

P3.1 GPG 8710.3, Certification and Recertification of Ground-Based Pressure Vessels and Pressurized Systems.

P.4 CANCELLATION

540-WI-8072.1.3, Certification of New or Modified Ground-Based Pressure Vessels and Pressurized Systems (PV/S)

P.5 TOOLS, EQUIPMENT, AND MATERIALS

Applicable PV/S certification procedures shall include any special tools, equipment, or materials necessary for certification of PV/S.

P.6 SAFETY PRECAUTIONS AND WARNINGS

Safety, caution and warning notes unique to PV/S certification shall be included in applicable certification procedures.

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P.7 TRAINING

None

P.8 RECORDS

Record Title	Record Custodian	Retention
PV/S Certification and Recertification Records.	RECERT Manager	As defined in GPG 8710.3

P.9 METRICS

None

P.10 DEFINITIONS

None

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INSTRUCTIONS

The following STEPS are sequential unless noted otherwise.

ACTION*

- (E) A. Develop a RECERT System Certification Plan (RSCP) to include at least the following:
 - 1. Engineering verification that GPG 8710.3-required documentation is complete.
 - 2. Assignment of next sequential RECERT System identification number ("S-xx").
 - 3. Definition of PV/S System Boundaries, including identification of System components.
 - 4. Type and extent of proposed System Certification tests, inspections, and NDT, including acceptance criteria.
 - 5. Proposed System Recertification inservice inspection (ISI) test, inspection, and NDT methods and intervals, including acceptance criteria.
- (E) B. Obtain RECERT Manager's approval of proposed RSCP.
- (CSV) C. Enter System data into Certification Status Verification (CSV) System.
- (I) D. Perform System Certification tests, inspections, and NDT.
 - 1. If acceptable, proceed to STEP E.
 - 2. If unacceptable, proceed as directed by RECERT Manager.
- (I) E. Apply applicable Certification Tag(s) to each component, as well as a System Certification Tag (see Attachments), and release for service or return to Owner/User.
 - 1. System/Component ID.
 - 2. Date tested or inspected.
 - 3. Due date for Recertification expressed as the last day of the calendar quarter and year (e.g., 3Q/99 = due by September 30, 1999).
- (E) F. Transmit Certification letter with RECERT Manager's approval to Owner/User and file RECERT System Review and Certification Test Reports in RECERT Master Files.
- (CSV) G. Update CSV System to include System ISI baseline dates and intervals.
- LEGEND: (E) Engineering; (I) Inspection; (CSV) Certification Status Verification

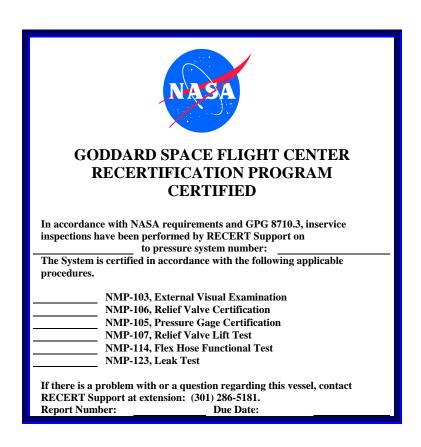
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RECERT PV/S Tags

Note: Typical GSFC Greenbelt tags are shown. WFF tags are similar but include WFF-specific designation and contact information.



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GODDARD SPACE FLIGHT CENTER RECERTIFICATION PROGRAM CERTIFIED

In accordance with NASA requirements and GPG 8710.3, inservice inspections have been performed by RECERT Support on to pressure system number:

The System is certified in accordance with the following applicable procedures.

NMP-101, Magnetic Particle Test
NMP-102, Liquid Penetrant Test
NMP-109, Ultrasonic Thickness Test
NMP-111, Liquid Penetrant Test
NMP-113, Magnetic Particle Test

If there is a problem with or a question regarding this vessel, contact RECERT Support at extension: (301) 286-5181.

Report Number: Due Date:

GODDARD SPACE FLIGHT CENTER RECERTIFICATION PROGRAM CERTIFIED			
SYSTEM NO:			
MAC NO:			
UPV NO:			
MAWP/MDP:	PSI @ ° F		
DUE DATE: RECERT SUPPORT:	(301) 286-5181		

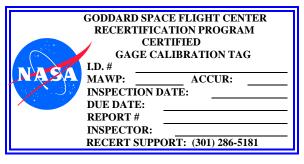
CHECK THE GSFC DIRECTIVES MANAGEMENT SYSTEM AT

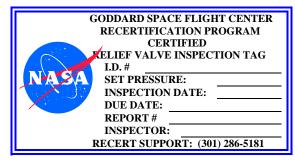
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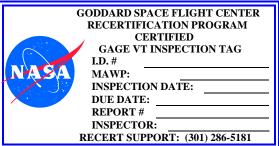
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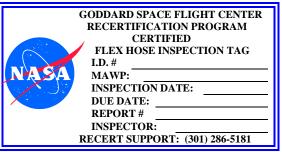
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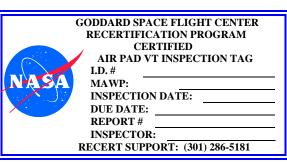












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CHANGE HISTORY LOG

Revision	Effective Date	Description of Changes
Baseline	02/22/2000	Initial Release
A	07/29/2004	Clarified that this WI is for RECERT Support Function personnel use in P1. Changed GMI 1710.4 to GPG 8710.3 throughout. Added examples of RECERT Tags.